## What is claimed is:

1	1. A method of performing natural language generation, the method comprising
2	the steps of:
3	selecting a reference grammar;
4	applying an input dependency tree to a tree choosing module for using a
5	stochastic tree model to select syntactic realizations for each node in the derivation tree;
6	producing a word lattice for the stochastically selected syntactic realization
7	comprising all possible word sequences permitted by the input dependency structure, the
8	chosen syntactic realizations, and the reference grammar; and
9	choosing a linear precedence output string of least cost from the word lattice.
1	2. The method as defined in claim 1 wherein an extended XTAG grammar is
2	selected as the reference grammar.
1	3. The method as defined in claim 1 wherein the Viterbi algorithm is used to
2	chose the output string from the word lattice.
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1	4. A natural language generator for translating an input dependency syntax tree
2	into a natural language output, the generator comprising
3	a tree choosing module, responsive to the input dependency syntax tree, for
4	stochastically selecting syntactic realizations for each node in the input dependency tree,
5	the tree choosing module including a tree model database for use in selection;
6	an unraveling module, responsive to the stochastically selected tree-adjoining
7	grammar trees created by the tree choosing module and including a predetermined
8	reference grammar database for creating from the syntactic realizations a lattice of all
9	possible linearizations of said trees using the reference grammar of said database; and
10	a linear precedence chooser module for selecting the most likely traversal through
11	the lattice as the natural language output of the generator.
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1	5. The generator as defined in claim 4 wherein the linear precedence chooser

module utilizes the Viterbi algorithm to select the most likely traversal path.

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- 6. The generator as defined in claim 4 wherein the unraveling module includes a
  reference grammar database.
- 7. The generator as defined in claim 6 wherein the reference grammar database
   comprises an XTAG grammar database.